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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known Application Number 10/660,591 Filing Date 09/12/2003 First Named Inventor SHINICHIRO NAKANO Art Unit 2645 Examiner Name Unassigned

(Use as many sheets as necessary) Attorney Docket Number of 008312-0305942

Examiner tnitials*	Cite No.	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
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OP		JP 2002-077458	Α	03/15/2002	YAMAMOTO et al.		L		
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Examiner Signature	Oliva Anwah	Date Considered	July 13, 2005

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